AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing Of Claims:

Claims 1-7. Withdrawn.

8. (Presently Amended): A process for the homopolymerization or copolymerization of one or more olefins, cycloolefins, isoolefins, alkynes or diolefins monomers comprising the step of admixing one or more monomer in the presence of at least one transition metal compounds having at least two ligands and at least one donor-acceptor interaction between the ligands, wherein at least one ligand is a fluorenyl ligand and the transition metal compound has at least one alkyl or aryl group on at least one acceptor atom and optionally one or more cocatalyst, wherein the process is carried out at a temperature from about –60 to about +250°C, wherein the process produces polymers having a molar mass Mn greater than 500 kg/mol.

9. Withdrawn.

10. (Original): Process according to Claim 8, wherein the transition metal compounds are applied to a support material.

11. (Original): Process according to Claim 9, wherein the transition metal compounds are applied to a support material.

12. (Original): Process according to Claim 8, wherein the polymerization is carried out in the temperature range from 10°C to 100°C.

13. (Original): Process according to Claim 12, wherein the polymerisation is carried out in the temperature range 20° to 90°C.

14. (Original): Process according to Claim 13 wherein the polymerisation is carried out in the temperature range from 30°C to 80°C.

15. (Original): Process according to Claim 8, wherein the ratio of cocatalyst to transition metal compound is in the range ≤ 100,000:1.

16. (Original): Process according to Claim 15, wherein the ratio of cocatalyst to transition metal compound is in the range ≤ 10,000:1.

17. (Original): Process according to Claim 16, wherein the ratio of cocatalyst to transition metal compound is in the range, ≤ 1,000:1.

18. (Original): Process according to Claim 17, wherein the ratio of cocatalyst to transition metal compound is in the range ≤ 300:1.

Claims 19 and 20. Withdrawn.

21. (Presently Amended): A process for preparing an elastomer comprising the step of admixing one or more monomer in the presence of at least one transition metal compound having at least two ligands and at least one donor-acceptor interaction between the ligands, wherein at least one ligand is a fluorenyl ligand and the transition metal compound has at least one alkyl or aryl group on at least one acceptor atom and optionally one or more cocatalyst, wherein the process is carried out at a temperature from about –60 to about +250°C, wherein the process produces polymers having a molar mass Mn greater than 500 kg/mol, ~~according to Claim 1~~ and optionally one or more cocatalyst, wherein the elastomer has an $M_\eta \geq 5 \cdot 10^4$ g/mol.

22. (Presently Amended): A process for preparing a polyolefin comprising the step of admixing one or more monomer in the presence of at least one transition

metal compound having at least two ligands and at least one donor-acceptor interaction between the ligands, wherein at least one ligand is a fluorenyl ligand and the transition metal compound has at least one alkyl or aryl group on at least one acceptor atom and optionally one or more cocatalyst, wherein the process is carried out at a temperature from about –60 to about +250°C, wherein the process produces polymers having a molar mass Mn greater than 500 kg/mol, ~~according to Claim 1~~ and optionally one or more cocatalyst, wherein the polyolefin has an $M_\eta \geq 5 \cdot 10^4$ g/mol.

23. (Original): The process according to Claim 22, wherein the elastomer is an elastomeric polypropylene.

24. (Original): The process according to Claim 22, wherein the elastomer prepared is selected from the group consisting of EPDM, EBDM, EHDM, EODM or mixtures thereof.

25. (Original): The process according to Claim 22, wherein the elastomer has long-chain branching.

26. (Original): The process according to Claim 22, wherein the elastomer prepared has bimodal or multimodal molecular weigh distribution.